

FY2018 Design-Build Bridge Replacements Industry Forum

January 29, 2018

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Disclaimer Statement

At this meeting, the Department will provide information about the project's delivery goals, anticipated scope, anticipated Design-Build procurement process, and potential risks.

Participants will be encouraged to ask questions during this meeting; however, **any information provided by the Department shall be considered as informational only and is subject to change.**

Agenda

- Design-Build Overview
- FY 18 Design-Build Bridge Replacements
- Schedule
- Open Discussion

Design-Build

Design-Build

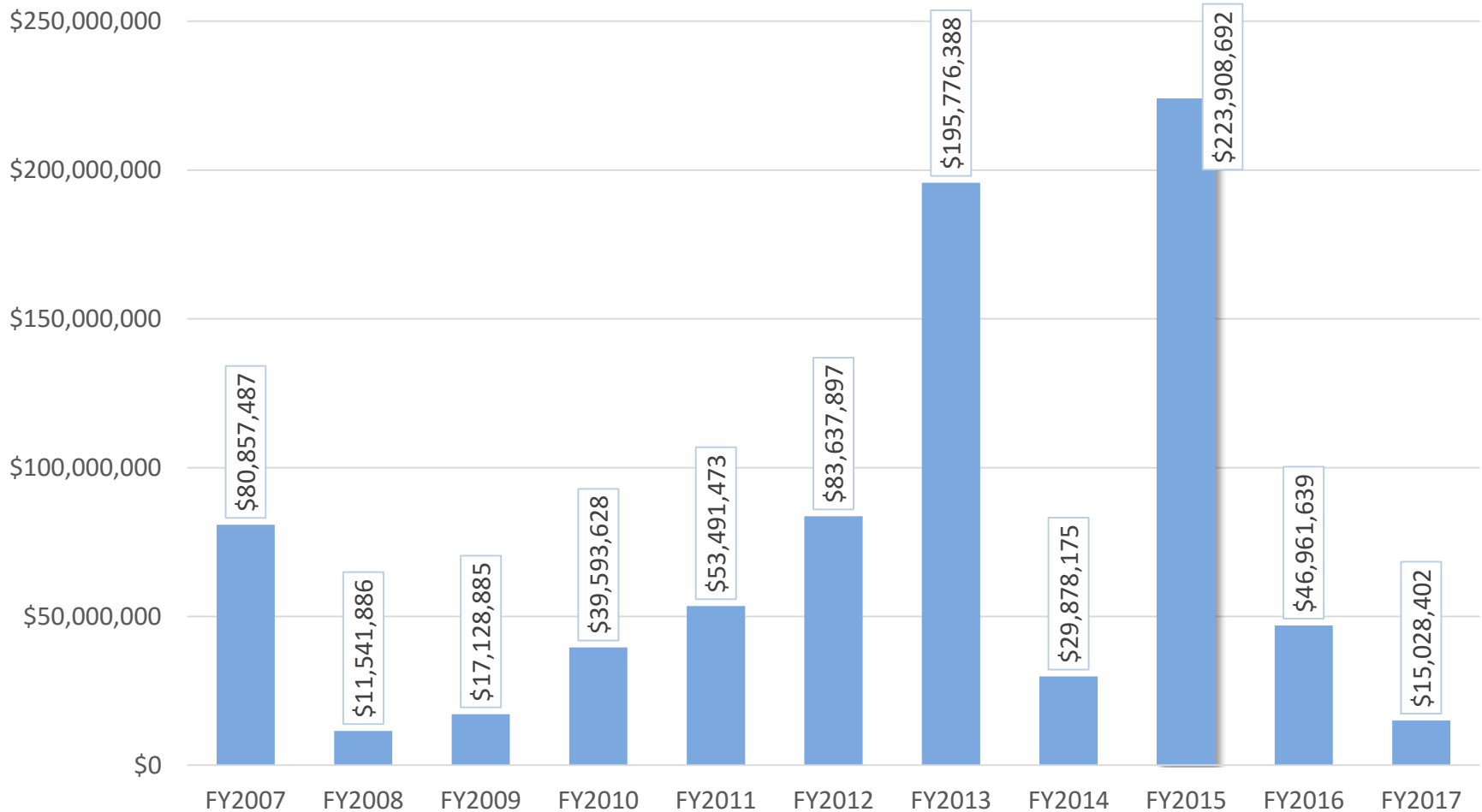
- Combines preconstruction related services with construction services into **one contract**
- Allows the contractor to participate in the project's design in an effort to **reduce costs, improve communication and expedite project delivery**

Governed by:

- 23 Code of Federal Regulations (CFR) Part 636
- Georgia Code Section 32-2-81 (*Enacted 2004*)
- Board Rules, Chapter 672-18 (*Adopted 2006 & 2013*)

Innovative Delivery

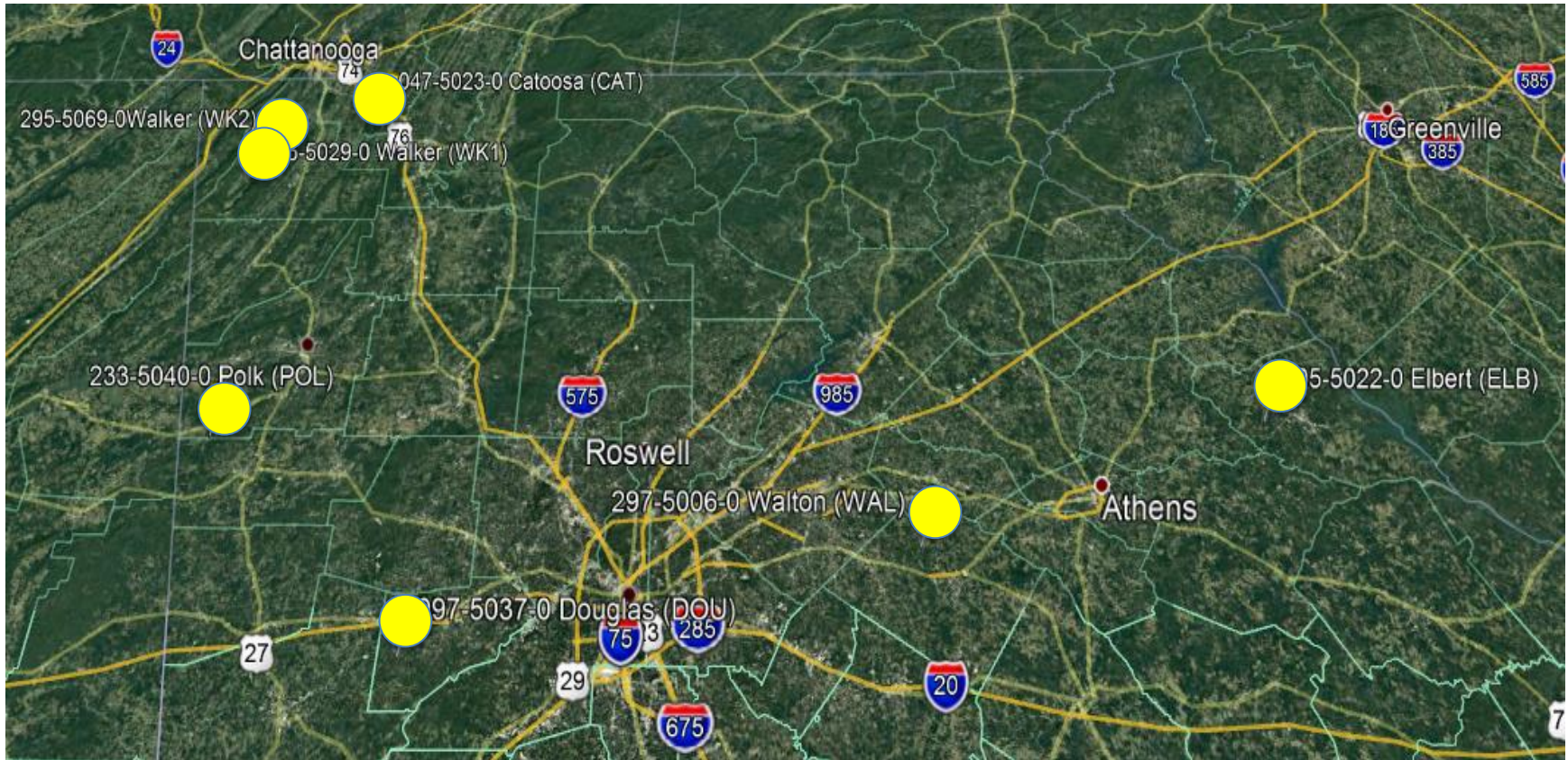
Georgia Department of Transportation
Amount Awarded to Design-Build Contracts per Fiscal Year



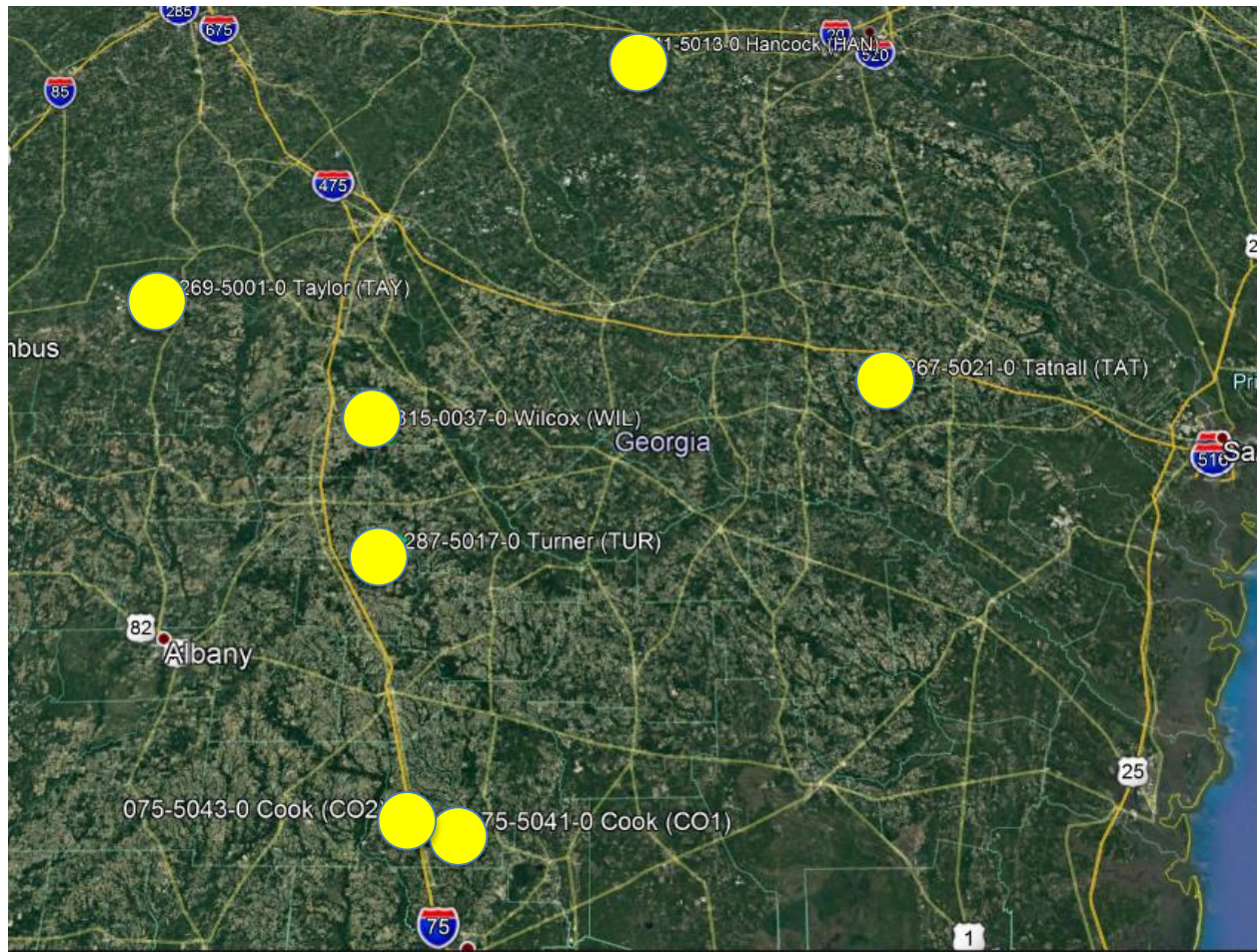
Project Overview

- State funds
- Off-site detours
(number of days will vary per site)
- Low impact (minimal utility, hydraulic and environmental impacts)
- No ROW; Potential easements (local acquisition)
- FY18 to maintain existing profile
(or limited modification)

FY18 Bridge Locations – Batch 1



FY18 Bridge Locations – Batch 2



Anticipated Project Locations

FY 18 Design-Build Bridges					
Batch	Bridge Serial Number	County	District	Feature Carried	Feature Intersected
1	047-5023-0	Catoosa	6	Houston Valley Road	Dry Creek
1	097-5037-0	Douglas	7	Post Road	Dog River
1	105-5022-0	Elbert	1	Ed Webb Road	Dove Creek
1	233-5040-0	Polk	6	Mountain Home Loop Road	Little Cedar Creek
1	295-5029-0	Walker	6	Captain Wood Road	Mud Creek
1	295-5069-0	Walker	6	Hog Jowl Road	Shaw Branch
1	297-5006-0	Walton	1	Dewey Hogan Road	Wolf Creek
2	075-5041-0	Cook	4	Fellowship Road	Hutchinson Mill Creek
2	075-5043-0	Cook	4	Old Union Road	Morrison Creek
2	141-5013-0	Hancock	2	Fulsome Creek Road	Fulsome Creek
2	267-5021-0	Tatnall	5	Hillview Road	Cedar Creek
2	269-5001-0	Taylor	3	Hobbs Road	Whitewater Creek
2	287-5017-0	Turner	4	Legg Road	Wolf Creek
2	315-0037-0	Wilcox	4	Biar Road	Bear Creek

FY18 Bridge Sites – Batch 1



Catoosa County



Douglas County



Polk County



Walker County

FY18 Bridge Sites – Batch 2



Cook County



Cook County



Taylor County



Wilcox County

Risks and Mitigation Strategies

Risk	Mitigation
Geotechnical	Include geotechnical boring logs/samples in the RFP
Survey Database	Include survey database in the RFP
ROW	Off-site detour Evaluate constructability scenarios pre-let Obtain ROW certification from Locals during the RFP development
Environmental	Select locations with minimal environmental impacts Perform environmental screening pre-let RFP to include environmental related scope items RFP to include anticipated review/approval durations
Industry	Perform industry outreach early and actively listen
Design Variance Design Exception	Evaluate need for DE/DV during RFP development Include approved known instances of DE/DV in the RFP
Hydraulics	Perform hydraulics screening during RFP development Include hydraulic memo in the RFP Pre-approve known hydraulic variance(s)

Risks and Mitigation Strategies

Risk	Mitigation
Local Outreach/ Detour	Early and ongoing coordination with locals during development of the RFP Obtain ROW certification from the locals Post-let coordination with locals regarding detour schedule
Cost Estimate	Continue to monitor industry trends
Detour Duration	Evaluate and establish reasonable durations to perform the work for each bridge relocation
Overall Contract Duration	Establish reasonable durations per contract in order to complete all of the work
Utilities	SUE QL-D Early coordination with utility owners Executed MOUs included in the RFP

Environmental Concerns – Batch 1

Bridge Location	In-stream Restrictions	Clearing Restrictions
Houston Valley Road, Catoosa County	✓	✓
Post Road, Douglas County	✓	✓
Ed Webb Road, Elbert County	✓	✓
Mountain Home Loop Road, Polk County	-	✓
Crow Gap Road, Walker County	✓	✓
Hog Jowl Road, Walker County	✓	✓
Dewey Hogan Road, Walton County	-	-

Subject to change

Environmental Concerns – Batch 2

Bridge Location	In-stream Restrictions	Clearing Restrictions
Fellowship Road, Cook County	✓	-
Old Union Road, Cook County	✓	-
Fulsome Creek Road, Hancock County	-	-
Hillview Road, Tattnall County	-	-
Hobbs Road, Taylor County	✓	-
Legg Road, Turner County	✓	-
Biar Road, Wilcox County	-	-

Subject to change

Lessons Learned

Revisions to Procurement

- Bid process through OLD, not CBA
- Reduced level of effort related to technical proposal submittal:
 - Prioritization schedule
 - Acknowledgement of contract compliance

Partial Maintenance Acceptance

- Revised RFP language to include:
 - maintenance acceptance per bridge location
 - overall substantial completion date
 - final acceptance date

Lessons Learned

Environmental Permitting Schedule

- Will allow DB Team to submit “lockdown plans” at NTP2 milestone in order to accelerate environmental certification
- DB Team to submit permitting strategy

Design Variances

- New guidance related to slopes for DB and LIBP
 - 4:1 slopes are preferred; 2:1 are allowed behind anchors
 - All shoulders, guardrail, and anchors must be within ROW

BFI Process

- OMAT now issues a Statement of Concern after initial review

Roles and Responsibilities

Design-Build Team

- Schedule development/management
- Bridge design
- Geotechnical reports
- Stream buffer variance application (if needed)
- USACE permit preparation (if needed)
- Install and maintain detour signage
- Utility coordination and relocation (if needed)
- Replace each bridge within allowable detour duration

GDOT

- Submittal review and Env. Special Studies preparation/approval
- Permit mitigation costs
- Construction Oversight/CEI

Anticipated Procurement Process

Two Phase Low Bid

- All qualified – (Pass/Fail)

Phase I - Request for Qualifications (RFQ)

- One RFQ will be advertised through Georgia Procurement Registry (GPR)
 - FY18 bridge batches combined
- Restriction on communications
- One team may pursue one or both bridge “batches”
- Multiple Statements of Qualification (SOQ) if different prime team members

Anticipated Procurement Process

Phase II - Request for Proposals (RFP)

- Two RFPs will be advertised
- April 20 – Issue RFPs
 - Advertised on DB SharePoint site and GPR
 - RIDs on DB SharePoint site
- Questions through OID Contracting Officer
- **Price Proposal**
 - Opened during public letting on June 22, 2018
 - Construction complete pay items per bridge site

Tentative Schedule

a. GDOT issues Public Notice Advertisement (PNA)	01/10/2018	-----
b. Industry Forum – GDOT Room 403/404	01/29/2018	10:00 A.M.
c. Industry one-on-one meetings – GDOT Room 407/409	01/29/2018	12:00 P.M. - 4:00 P.M.
d. GDOT issues Request for Qualifications (RFQ)	02/09/2018	-----
e. Deadline for the submission of written questions and Requests for Clarification	03/02/2018	-----
f. Deadline for Statement of Qualifications (SOQ)	03/16/2018	11:00 A.M.
g. GDOT issues the Notice to Finalists	04/06/2018	-----
h. GDOT issues Request for Proposals (RFP) to the Finalists	04/20/2018	-----
i. GDOT letting (receipt of bid and technical proposal from Finalists)	06/22/2018	11:00 A.M.

Questions?

GDOT Design-Build Webpage

<http://www.dot.ga.gov/PS/Innovative/DesignBuild>

GDOT Design-Build SharePoint Site

<http://mydocs.dot.ga.gov/info/designbuild/default.aspx>